

**National Antimicrobial Resistance Monitoring System Animal Isolates**  
***Dairy Cattle Diagnostic\* Isolates***  
 Percent Resistance

<b>Antimicrobial</b> <i>(Number of Isolates)</i>	<b>1997</b> <b>n=0</b>	<b>1998</b> <b>n=0</b>	<b>1999</b> <b>n=470</b>	<b>2000</b> <b>n=376</b>	<b>2001</b> <b>n=0</b>	<b>2002</b> <b>n=932</b>	<b>2003</b> <b>n=475</b>
Amikacin			0.2	0		0	0
Amoxicillin/Clauvalanic Acid			7.9	28.7		46.4	49.9
Ampicillin			67.4	61.4		66.8	62.9
Apramycin			1.1	3.2		N/A	N/A
Cefoxitin			N/A	28.5		42.1	44.6
Ceftiofur			9.4	28.5		45.6	49.5
Ceftriaxone			0.4	0.5		0.9	0.6
Cephalothin			11.3	29.8		47.3	50.5
Chloramphenicol			39.4	38.6		57.8	56.4
Ciprofloxacin			0	0		0	0
Gentamicin			4.3	9.6		20.4	7.4
Imipenem			N/A	N/A		N/A	N/A
Kanamycin			45.1	43.4		46.5	34.7
Nalidixic Acid			0.2	0		1.5	0.4
Streptomycin			67.2	58.0		66.4	63.2
Sulfamethoxazole			68.1	59.3		61.5	51.6
Tetracycline			66.2	60.9		67.5	65.5
Ticarcillin**			N/A	N/A		N/A	N/A
Trimethoprim/Sulfamethoxazole			7.9	14.1		11.8	6.7

\*Isolates obtained from participating Sentinel Site Diagnostic Laboratories.